

The Deltagram

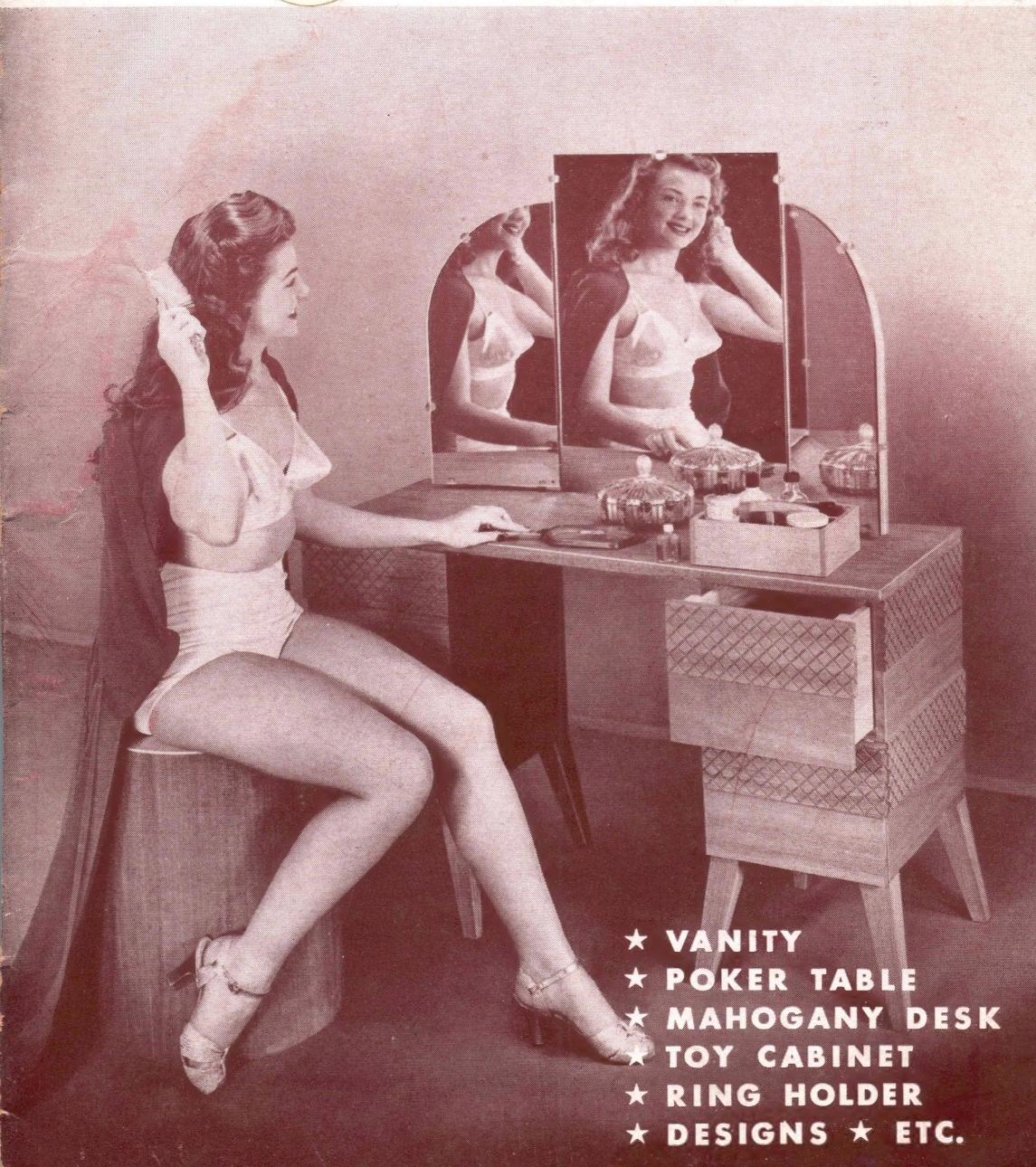
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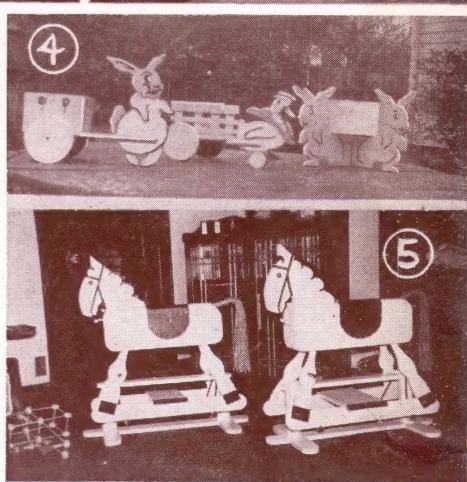
VOLUME FIFTEEN

Issue No. 3

PRICE TEN CENTS



- ★ VANITY
- ★ POKER TABLE
- ★ MAHOGANY DESK
- ★ TOY CABINET
- ★ RING HOLDER
- ★ DESIGNS ★ ETC.



With Delta Crafters

★ Here are a number of new additional pieces of furniture Mr. Foster of Port Elizabeth, Kimberly, South Africa has added to his home, with the aid of Delta Machines of course. Photos No. 1, 2, 3.

★ Orders for the duck and rabbit toys shown in Photo No. 4 are coming in early this year for Mr. John Gottlob of Galveston, Texas. These appeared in our recent publication "Toys."

★ Another profitable item at Christmas time is the hobby horse. The pair shown in Photo No. 5 were made by Mr. McCammon of Auburn, Indiana.

★ Photo No. 6 shows a copy of an Instep Table made of poplar wood finished in mahogany. Mr. Eaton of Ball Ground, Georgia specializes in odd pieces of old reproductions.

★ Mr. Schirmacher of Tempe, Arizona is getting good returns on the garden folding chair project shown in Photo No. 7. This project appeared in the March-April, 1945 issue.

The Deltaogram

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★ A MAGAZINE FOR CRAFTSMEN

• PUBLISHED BY THE DELTA MANUFACTURING COMPANY, MILWAUKEE, WIS., SOLD ONLY BY SUBSCRIPTION - 50¢ THE YEAR.

★ E. G. HAMILTON - MANAGING EDITOR

A. M. WARKASKE - TECH. EDITOR

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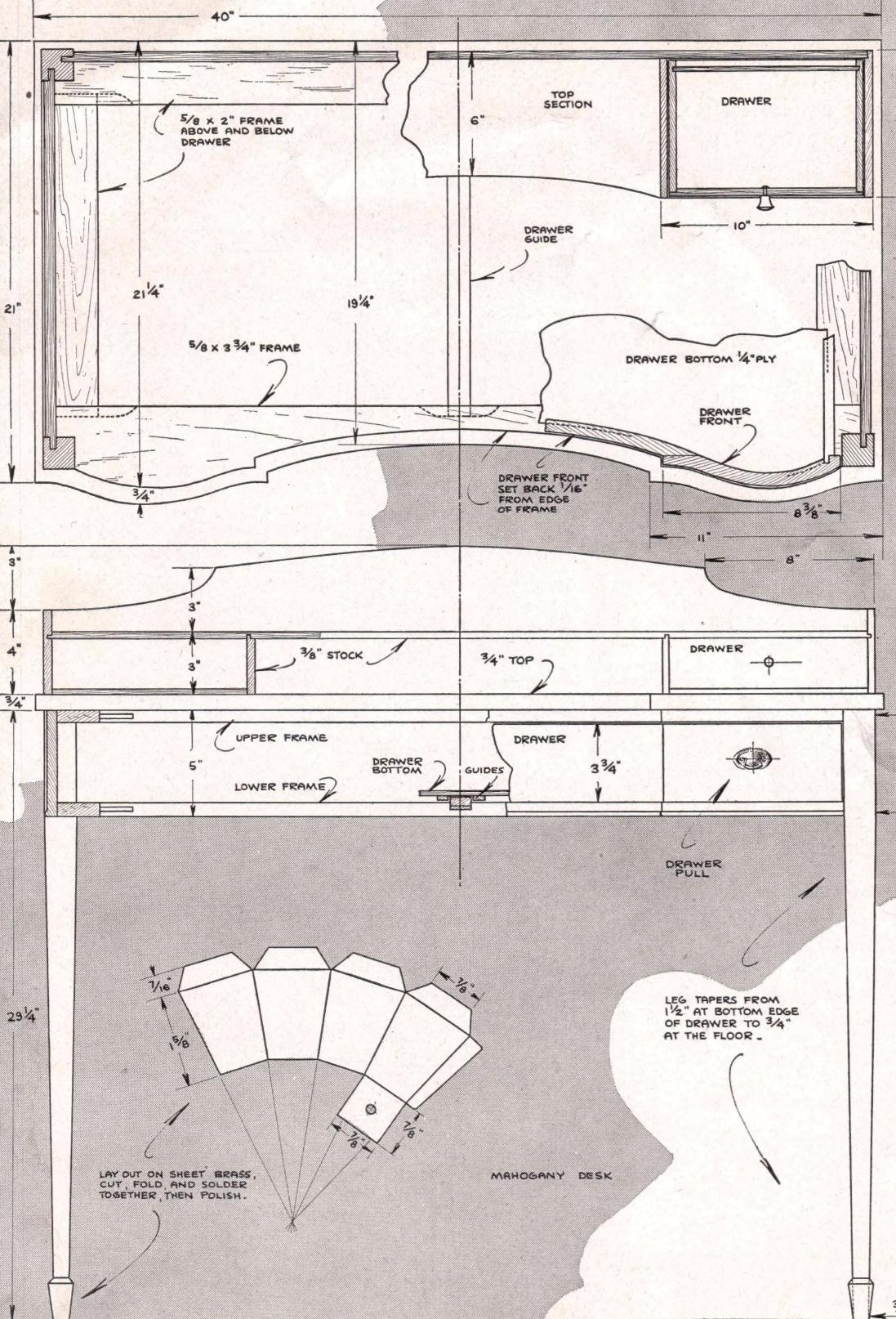
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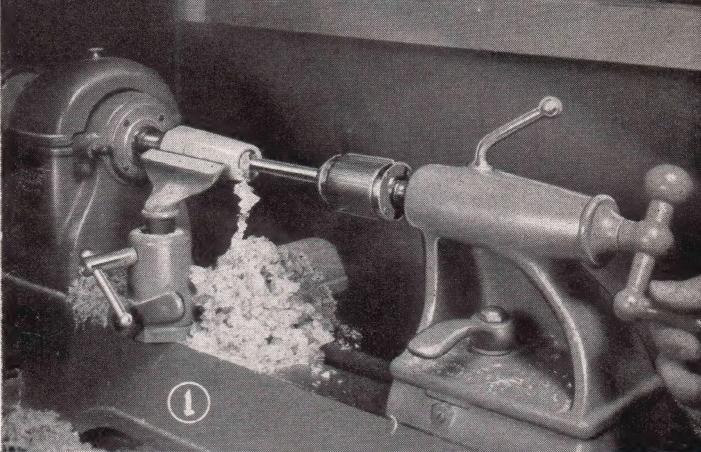
Mahogany DESK

★ THE mahogany desk shown in the photograph at the right is of fairly simple construction. The main part of the desk consists of two drawer frames, both made from $\frac{5}{8}$ " stock. The back and sides are also $\frac{5}{8}$ " material as shown in the drawing on the following page. The desk top is glued up from $\frac{3}{4}$ " solid stock. The legs are $1\frac{1}{2}$ " square at the top, tapered to $\frac{3}{4}$ " square at the bottom. The taper starts at the bottom edge of the lower drawer frame. The drawer front is built up of heavier mahogany stock glued together to form the curved drawer front. (See drawer detail in drawing.) The top is fastened on with screws from the underside of the upper frame. The top compartment with two side drawers is built up of $\frac{3}{8}$ " mahogany. This top compartment is fastened to the desk top with screws from the underside. The two small drawers are of regular drawer construction. The front of the large drawer is, of course, band sawed to shape to conform with the edge of the top. This drawer front is set back $1/16$ " from the edge of the frame. A drawer guide for this large drawer is located in the center of the bottom frame. (See detail in drawing.) The brass feet on the desk are cut from sheet brass according to the pattern shown on the drawing. The sheet brass is then bent and soldered together and slipped over the ends of the legs.



The desk as shown above was finished with dark brown mahogany stain. The next step is a matching filler, after which it is sealed with a wash coat of white shellac. It is then rubbed with steel wool and finished with one or two coats of rubbed-effect varnish.





COFFEE POT RING HOLDER

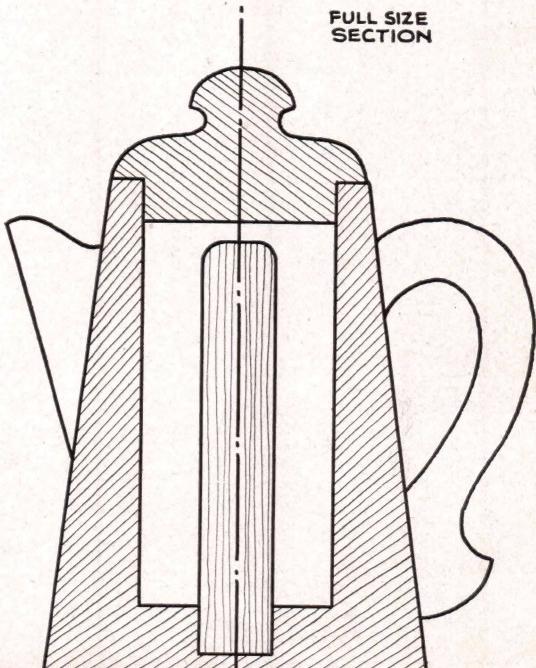
★ This novel ring holder affords a safe place to store your rings while washing dishes. The body of the coffee pot is turned on the lathe, full size section of which is shown in the drawing below. After turning out on the lathe the hole is drilled in the center while the turning is still in the lathe. (See photograph above.) Next, drill the smaller hole for the dowel. The spout and handle are band sawed and sanded to shape and then glued in place.



Photograph 1 shows method of drilling center hole while the turning is still in the lathe.

Photograph 2 shows the ring holder in use. The handle and spout are in place.

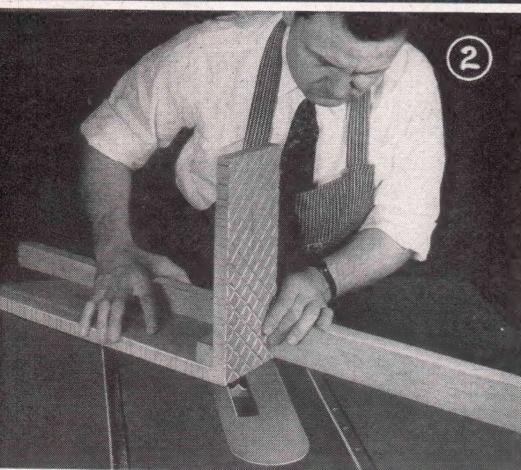
The ring holder is finished with white shellac and polished to a satin finish with steel wool.



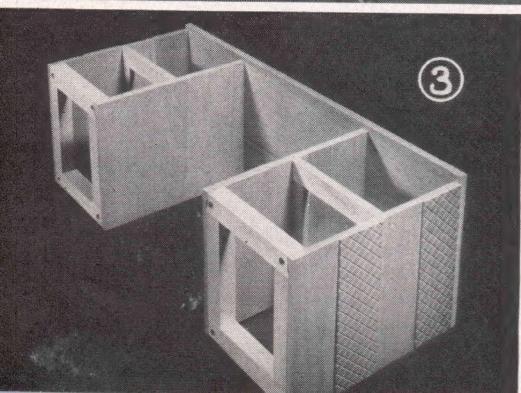
FULL SIZE SECTION



①



②



③

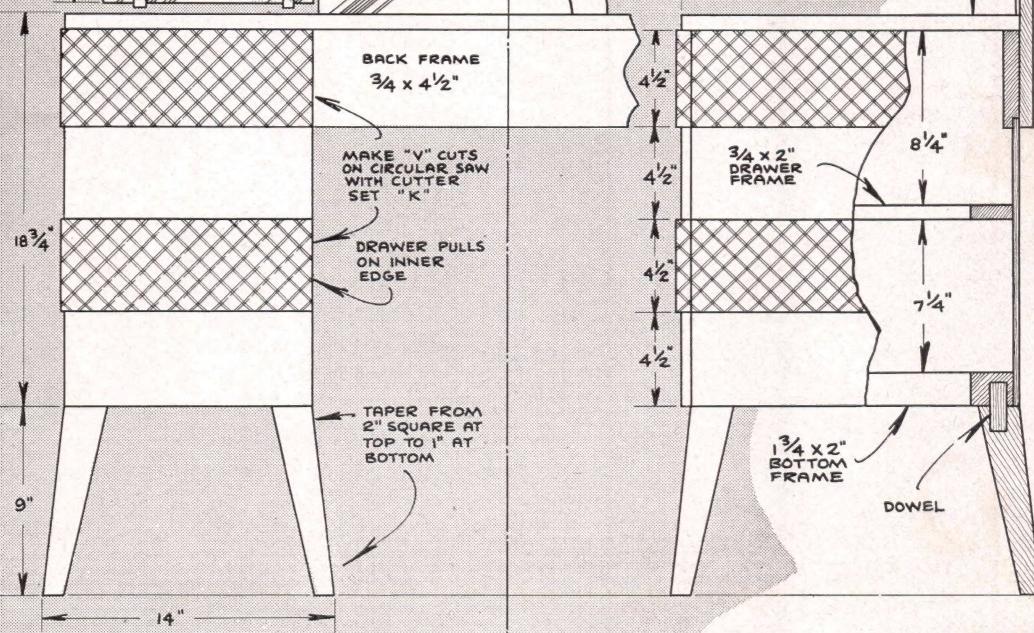
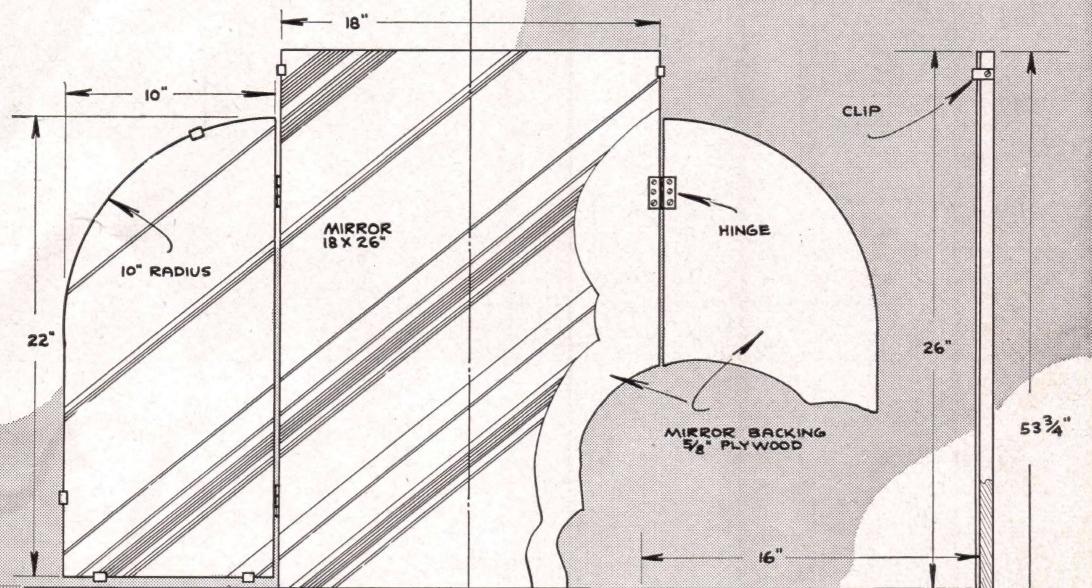
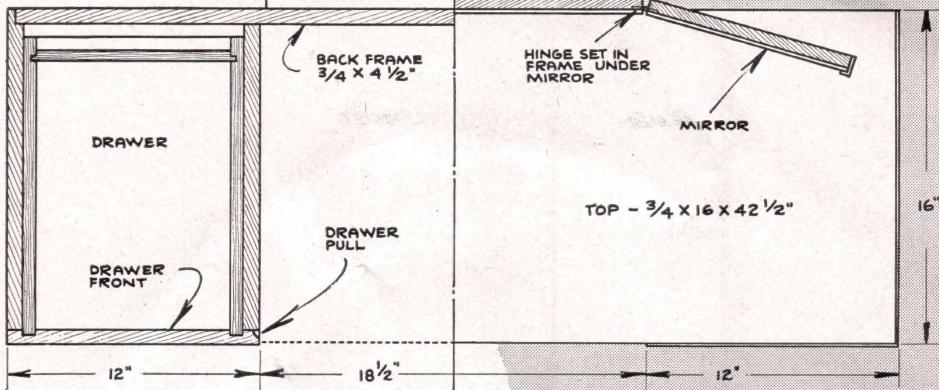


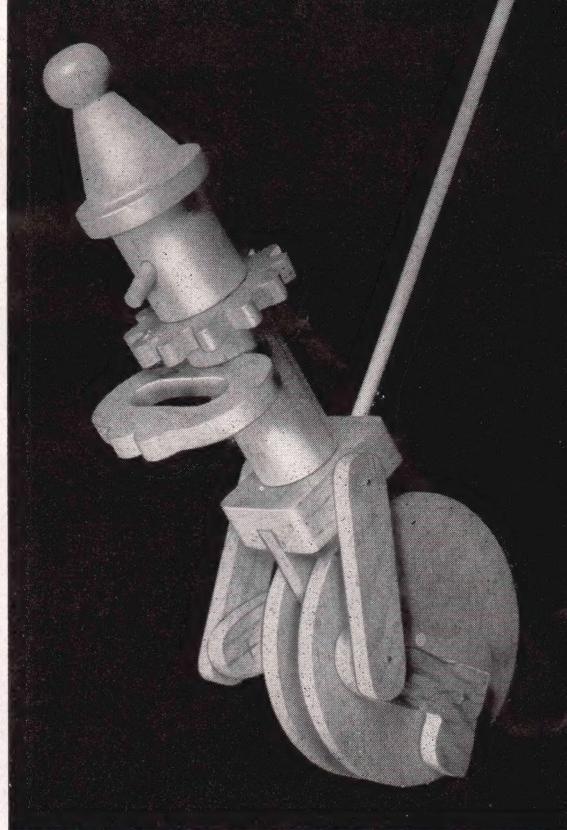
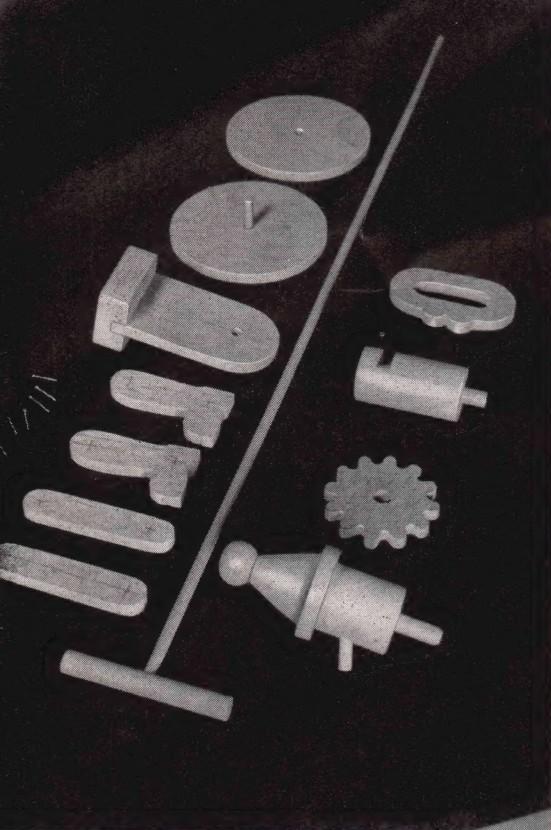
④

Photographs 3 and 4 show the assembling of the vanity. Photograph 3 is a front view from underneath. Photograph 4 is a rear view showing the legs being doweled in place.

Build This Modern VANITY

★ HERE'S a mahogany vanity of modern design that you can build in your own workshop. The design features a criss-cross moulded design on the drawer fronts and sides as shown in the drawing on the following page. The drawing is self-explanatory with the exception of a few details such as the method of cutting this criss-cross design. The various sections of the drawer fronts and sides are made in separate pieces for this purpose. The strips on which this design appears are $\frac{3}{4}$ " thick, the V-cuts made with circular saw moulding cutter set "K" are cut $\frac{1}{8}$ " deep and $\frac{3}{4}$ inches apart. These strips are then doweled to the smooth pieces which are $\frac{5}{8}$ " thick to form the drawer fronts and sides. The drawer front and side strips are nailed temporarily together and the moulding cuts are made as shown in photograph No. 2 so that they line up when the vanity is assembled.





ANIMATED TOY CLOWN

★ HERE is a novel toy that has a lot of action. The children will enjoy pushing it along the floor and watching the clown pedal on his one-wheel cycle. It may be painted in bright colors to add to its attraction.

Lay out the various parts full size from the squared drawing appearing on the following page. The head and body parts are turned on the lathe. The collar and arms are scroll-sawed from $\frac{3}{8}$ " solid material. The collar is joined between the head and body with a short dowel glued in place. The arms are simply glued into a slot cut in the front of the body. The body is joined with a short dowel to the bottom fork. This fork consists of two pieces, the $\frac{3}{8}$ " thick vertical piece being glued into a slot in the upper part. (See sectional drawing on next page.) The lower legs are cut out of $\frac{3}{8}$ " stock from the pattern and joined to the top of the fork and to the wheel with small brads. The two wheels are cut from $\frac{3}{8}$ " solid material and are glued solidly to a short length of dowel which turns freely in the hole drilled through the fork. The handle is simply a long length of dowel glued into the back of the fork as shown in the photograph and drawing.

$\frac{1}{2}$ " SQUARES

TURN ON LATHE

DOWEL NOSE

COLLAR
 $\frac{3}{8}$ " THICK

DOWEL

ARMS
 $\frac{3}{8}$ " THICK

DOWEL

UPPER LEG

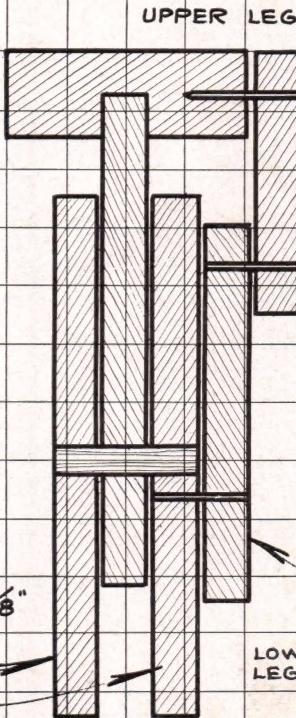
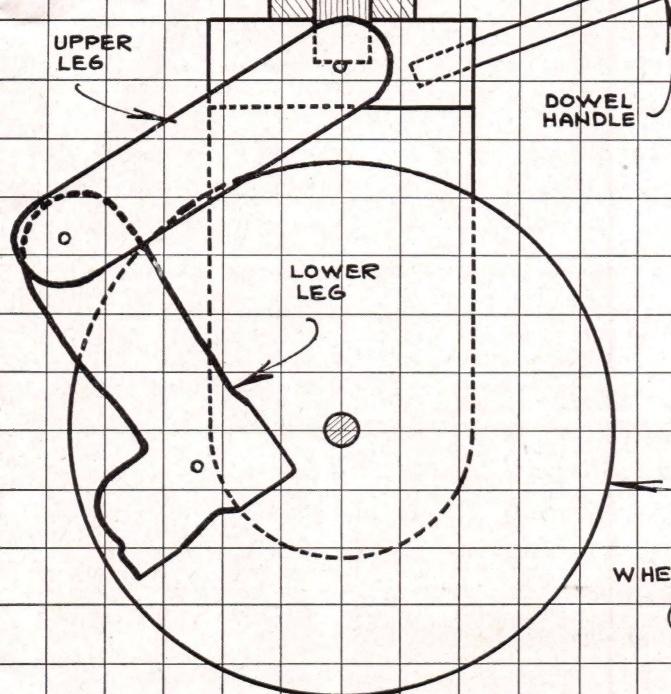
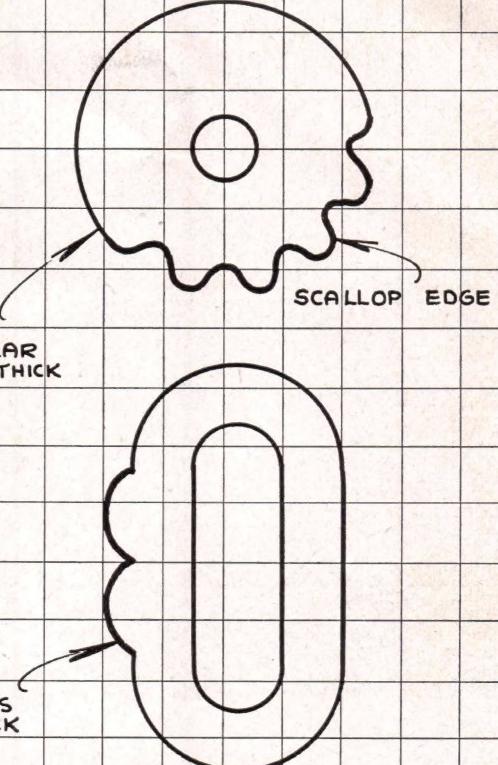
UPPER LEG

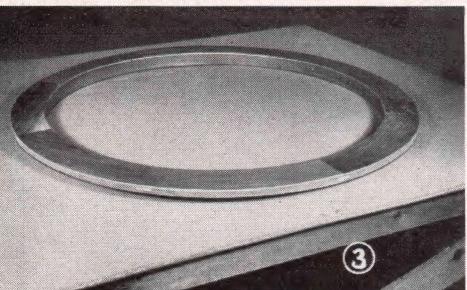
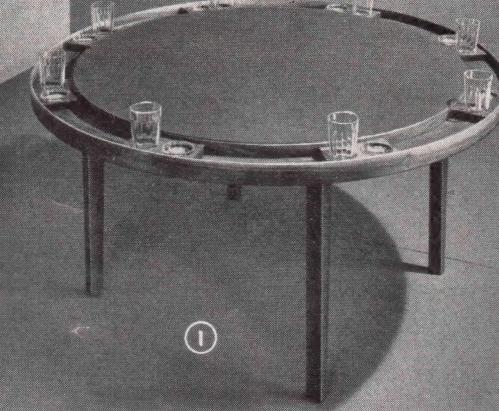
LOWER LEG

DOWEL HANDLE

WHEELS $\frac{3}{8}$ "

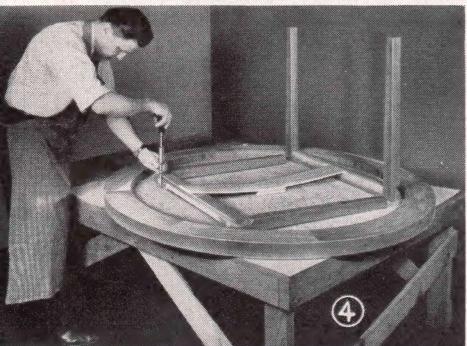
LOWER LEG





Photograph 1 shows the completed table with the space blocks in position for eight players.

The table is finished natural with white shellac and one or two coats of alcohol-proof varnish.

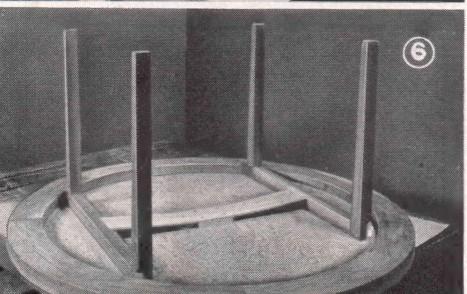


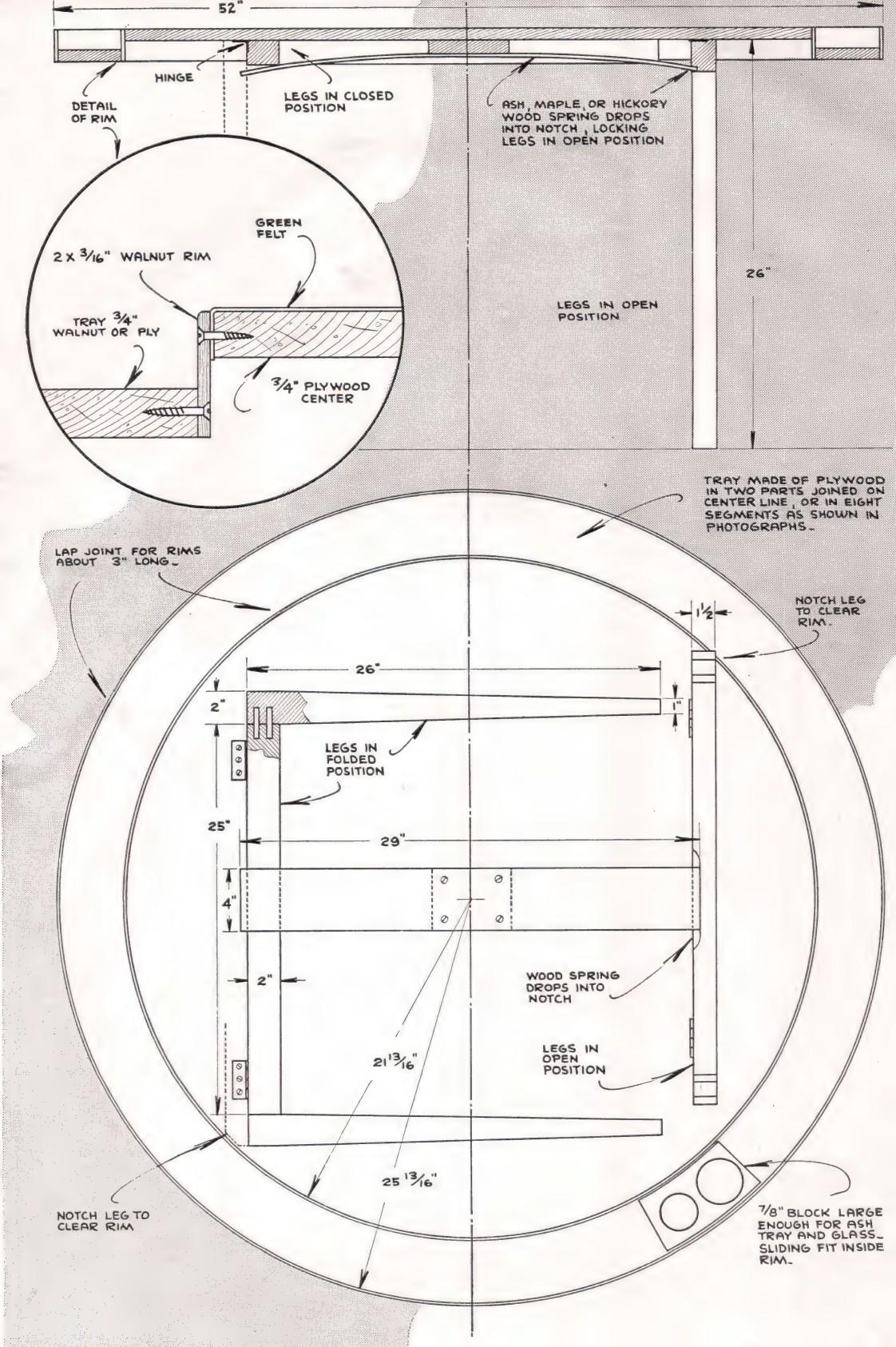
CIRCULAR POKER TABLE

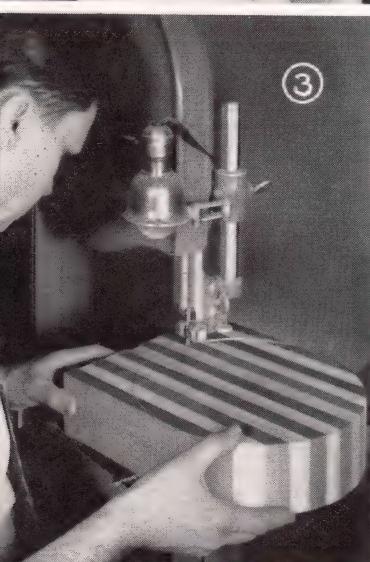
★ HERE'S a popular type poker table which features a new type of construction and a novel arrangement for dividing the tray for a varying number of players.

The center part of the table is $\frac{3}{4}$ " plywood and the tray ring may be made either from eight segments of $\frac{3}{4}$ " material glued and splined together or it can be made in two parts of $\frac{3}{4}$ " plywood joined together in the same way on the center line. The tray ring is made up first as shown in photograph 3 and the $2" \times 3\frac{1}{16}$ walnut rim is then glued and fastened with wood screws to the inside of this ring. The outside walnut rim is then fastened to the outside of the tray in the same manner. The center part of the table is then covered with green felt and inserted into the middle of the tray so that the top surface is flush with the upper edge of the rim. The completed tray is then fastened to this center part with screws only, so that the felt may be changed when it becomes worn. The legs are then made and assembled in two units which are hinged to the underside of the table. A wood spring of hard wood such as ash, maple or birch holds the legs in either the folded or open position. (See photographs 5 and 6.)

Eight blocks are now cut from $\frac{3}{4}$ " walnut to fit the inside of the tray. These blocks should have a sliding fit and should be long enough to hold a small ash tray and a glass. These blocks will then slide anywhere you wish inside the rim to divide the playing surface into any number of spaces up to eight.



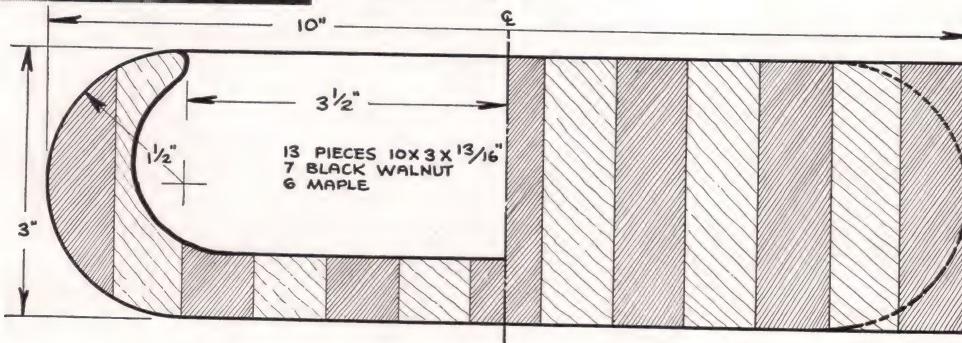




Turned ZEBRA BOWL

★ THIS simple turned wood bowl may be used either for fruit or candy or merely as a table centerpiece.

The block is glued up from equal strips of black walnut and maple and then band-sawed to a circular shape as shown in photograph 3. It is then attached to the 6" faceplate and mounted on the lathe. It is turned to shape as shown in the sectional drawing below. While the bowl is still mounted on the lathe it should be sanded and then sealed with white shellac. One or two coats should be sufficient. It should then be polished with steel wool and rubbed with wax to a high polish.





IT'S EASY TO BUILD THE "DELTACRAFT"

Here is the plan that you homecrafters have been asking for. An eleven foot general purpose plywood boat that is really easy to build.

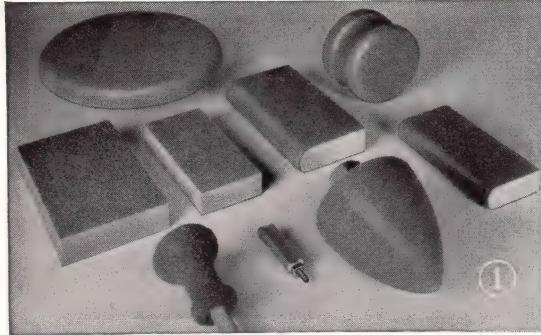
It can be used with either oars or outboard motor. The completed boat weighs 124 lbs., with $\frac{3}{4}$ " solid oak frames, seats, etc. Plywood is $\frac{3}{16}$ " waterproof birch.

SEND TODAY FOR COMPLETE PLANS

Here is what we give you: Two large sheets containing, bill of material, photographs showing each step in the construction, complete instructions on how to proceed, full size rib drawings, top and side view, everything you need to build this beautiful boat.

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Make Your Own SANDING SHAPES



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* WHEN you're working with irregular shapes, where flat sand-paper can't get in, to give you the desired coverage, that's the time to use the Deltacraft Sanding Kit. Photograph 1 above shows a few of the many shapes that you can make and use in a few minutes time. Photograph 3 shows how quickly and easily the job may be done. Only \$1.00. Send for yours today.

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ONLY \$1.00



BIRD FEEDER

Turned on the Lathe



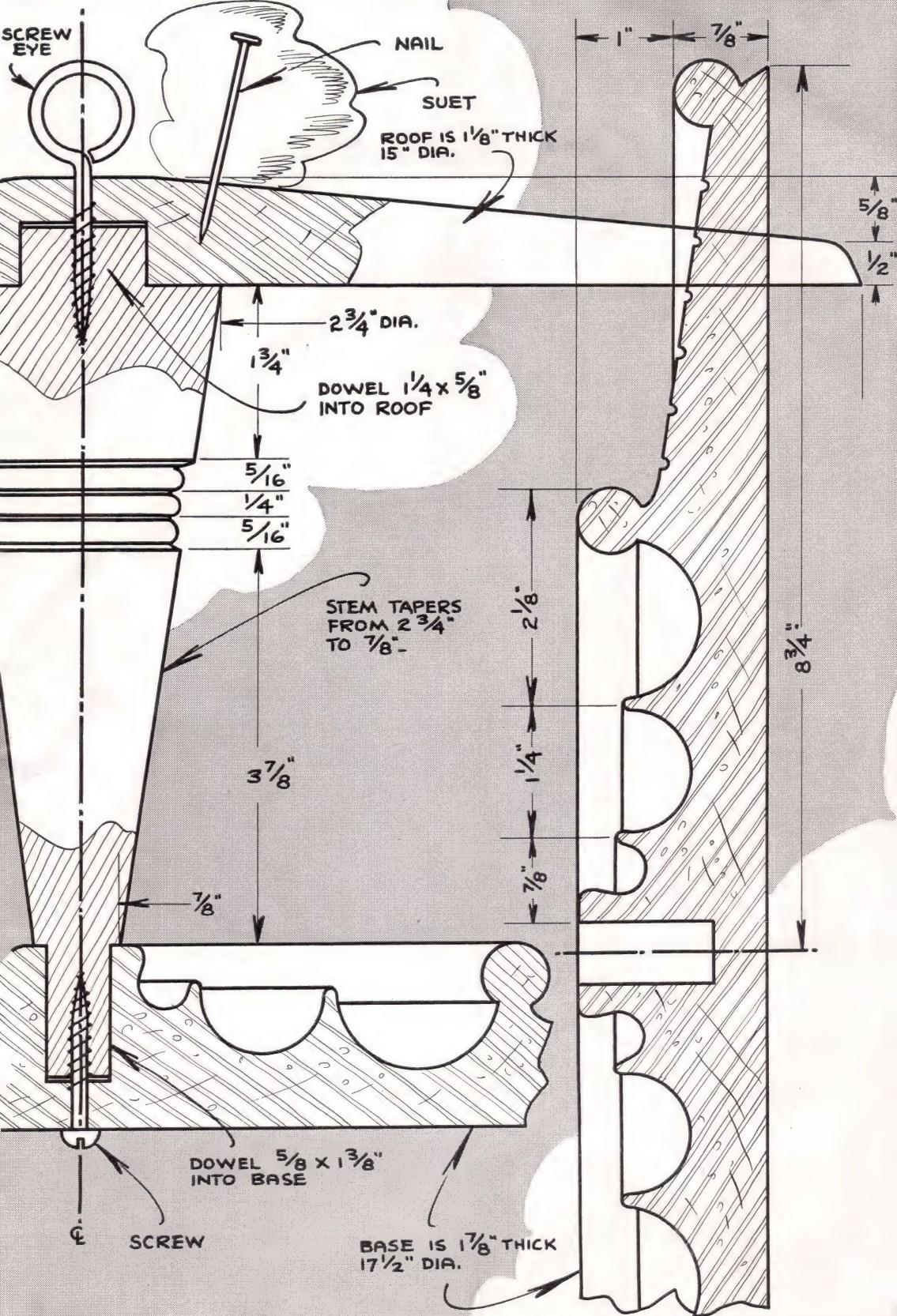
★ THIS well-designed bird feeder should make an interesting lathe project for the beginner as well as the professional wood turner. The stock used can be any material you happen to have on hand. The stem is a regular inboard turning from $2\frac{3}{4}$ " material. The dowel ends are turned onto each end, and then trimmed to length.

The hole should be drilled in the top piece to receive the dowel on the upper end of the stem, after which it is mounted on the faceplate and the roof taper is turned on the outboard end of the lathe. The base of the feeder is also turned on the outboard end of the lathe to the cross-section pattern shown in the drawing on the following page. $1\frac{1}{8}$ " stock is necessary for the roof while the base requires a piece $1\frac{1}{8}$ " thick.

All three parts should receive several coats of boiled linseed oil rubbed in well to protect the wood from weathering. It can then be painted to match the house or outer buildings as you prefer.

Photograph 2 shows the base turning on the outboard end of the lathe. The floor stand and tool rest are used in this particular case. Sanding is done while the turning is still in the lathe.

The bird feeder is assembled with glue and a round-head wood screw in the bottom and a screw eye through the top. It is then hung in the tree by means of this screw eye. (See photograph 1.)



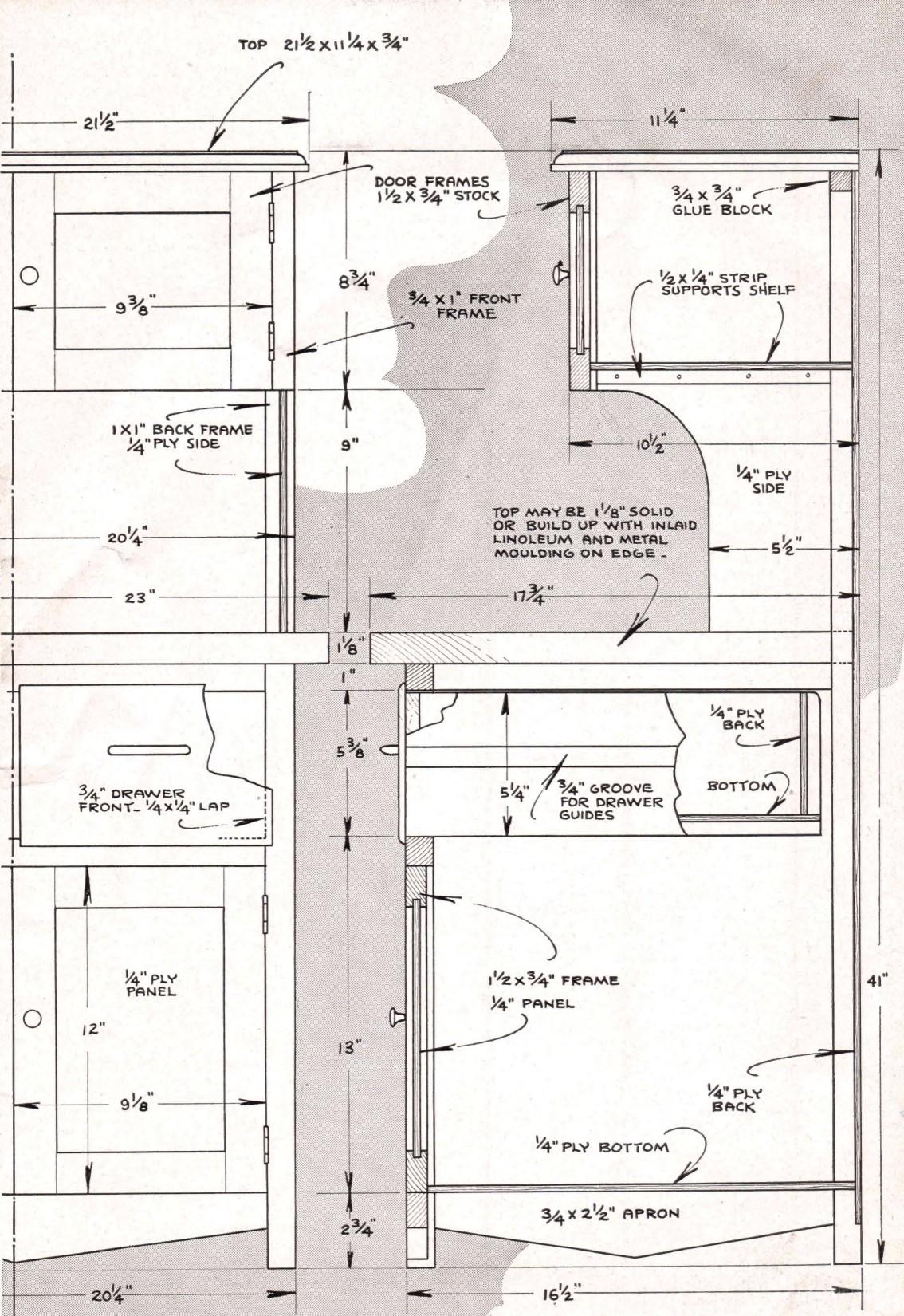


TOY KITCHEN CABINET

★ Here is a nicely-designed toy cabinet to add to a little girl's collection of toy furniture. It will be an ideal place to keep that set of toy dishes and utensils out of the way.

The drawing needs little explanation as the construction is very simple. The sides and doors are all $\frac{1}{4}$ " panels while most of the framing is $\frac{3}{4}$ " stock. The cabinet top may be either $1\frac{1}{8}$ " solid wood with a painted surface or $\frac{3}{4}$ " stock with inlaid linoleum top and metal molding. The two drawers are hung on guide strips fastened to the sides of the cabinet which rides in a $\frac{3}{4}$ " groove in the sides of the drawers.

The finish should be white or cream enamel, decorated with colorful decals.



FLYING CHIPS

Delta Tools and World War II

Groningen, Holland: It was some time before war broke out that I wrote to you on the possibility that our low lands would also be compelled to determine their standpoint and so they did when Germany was on the way to invade our country in the very first days of May, 1940. This was the beginning of a very dreadful time for Holland. What we have suffered is not to be described, and in my opinion cannot be understood by any people who have not been overrun by most cruel enemy. Only the knowledge that the Allies would win the war has kept most of our people alive. Up to the end we have kept our good spirits, and in all our misery we made fun about the Germans. For you can understand that the Germans pretended to know more about the water-works than the Dutch engineers, who had fought for centuries against the water, and yet they did and made faults.

The Germans were always boasting about their possibilities. Once when I attended an American air-raid, I was in the neighborhood of a German soldier and he said it was all nothing: the air-raids in Germany were heavier still. Of course, we said, you have all things bigger and more splendid than we have, so why shouldn't they have more bombs upon your cities, and so made himself the laughing stock of the company.

What I missed most during the past five years was my tobacco and the "Deltagram." The last number I received was No. 6, vol. 9, March, 1940.

I was obliged to put away my Delta machinery out of the eyes of the Germans, this is the reason why I am still in possession of same, and that's good luck. Since our country is free again, this splendid machinery does its duty again. I consider them as the most useful tools I kept out of the hands of our so-called "protectors."

W. F.

Picture Frame Clamp

Baltimore, Md.: In going over my copy of the September-October, 1944 issue of "The Deltagram" I noticed on page five Photo No. 3 a gluing clamp for picture frames.

I have seen a similar clamp in one of your earlier issues or some other homecraft publication with full instructions as to its construction, but do not seem to be able to locate it. Can you tell me where I might be able to get the plans for same?

P. R. H.

Due to the repeated requests for this handy gadget we will again publish the complete drawings and application in an early issue of "The Deltagram."

Operating a Loom

Mooresville, Mo.: Recently I purchased your plan sheets on "How to Build a Loom." I find it very easy to read and follow the directions and am well pleased with it. I was, however, unable to find any information on the heddles for this loom, and also how to thread it. Please send me information about the heddles, how to attach the horses to the frames and any other instructions you might have about weaving on a loom.

G. S.

There is a very good book on this subject which covers all the necessary phases on weaving, heddles, adjustments, etc., entitled "Foot Power Loom Weaving" by Edward F. Worst published by the Bruce Publishing Co., Milwaukee, Wisconsin. You can also get this book from your local book store or library.

Furniture for Dentist's Office

Natchez, Mississippi: Have you any plans whereby I can make a table, chairs and bookcase for children? I am a Dentist and wish to make this for my waiting room. I want the table supported by four figure cutouts back to back like a cross. The chair's sides, an animal or clown, etc., cutouts. The bookcase ends also nursery rhyme cutouts.

Dr. E. L. G.

These suggestions were entered in our little black book.

Sanding Small Toys

Pittsburgh, Pennsylvania: Please let me know if it is possible to sand small wooden animals varying in sizes from three to nine inches in a tumbling machine. These are made from $\frac{3}{4}$ " stock. If so, what materials should I use in the machine. I also want to polish them so they have a smooth satin finish.

At the present time I sand the edges with a small electric hand tool with a $\frac{3}{4}$ " disk sander. I oil and polish the surface with a buffer. Because of the great number of toys I make for nursery schools I am very anxious to find a quicker and more efficient process of sanding the pieces

F. D. B.

A tumbling barrel may not work out so well with flat pieces of the sizes you have, but we believe it would be well worth while to give it a try just the same.

The best tumbling medium is carnauba wax, Paraffin and beeswax also gives good results. The barrel should be filled about a third full with the work, with an equal quantity of small wooden scraps pieces of felt and cloth. After this the wax should be added, but should be broken in very small pieces. About four or five hours is required. The amount of wax is determined by trial. Too much wax will make the work sticky. Two little will leave bare spots. For additional information refer to our "Finishing Manual."

Xmas Suggestions

Philadelphia, Pa.: In your future issues of "The Deltagram" would you please give us something pertaining to Christmas Yards and moving objects, such as waterfalls, platform construction and properly securing of tree on platforms. Many of these items are very important to some of us fellows that only have limited time for reading. No doubt these items are published in many other magazines, but I do not see them due to being a regular reader of "The Deltagram." I believe if it's worth knowing and of value to our readers it should be printed.

F. J. D.

Good suggestions for future projects for the Xmas issue.

Basket Making

Concord, New Hampshire: Any information about the following would be very much appreciated.

I would like to know how to make small wooden baskets, probably of ash about an inch or so wide and quite thin and woven, size one-half peck or some a little larger. I can vary the size. I could saw out my own material. Are they made over a form, and how are they held for assembling? I do not wish to make any fancy baskets, but the plain market type.

I also want to know how to make wooden spoons and what tools are used to finish the inside of the bowl. The ones I have seen have a very smooth finish.

H. E. C.

If any of our readers have any information on this subject we will be happy to pass it along to our subscribers.

Wax Formula

Brushton, New York: In your book entitled "Practical Finishing Methods" (page 21) under wax formulas you have listed the ingredients for hard carnauba wax which requires one pound of carnauba wax, and one pound of ceresin wax. I would like to make some of this wax. What I want to know is where I could purchase the two waxes required.

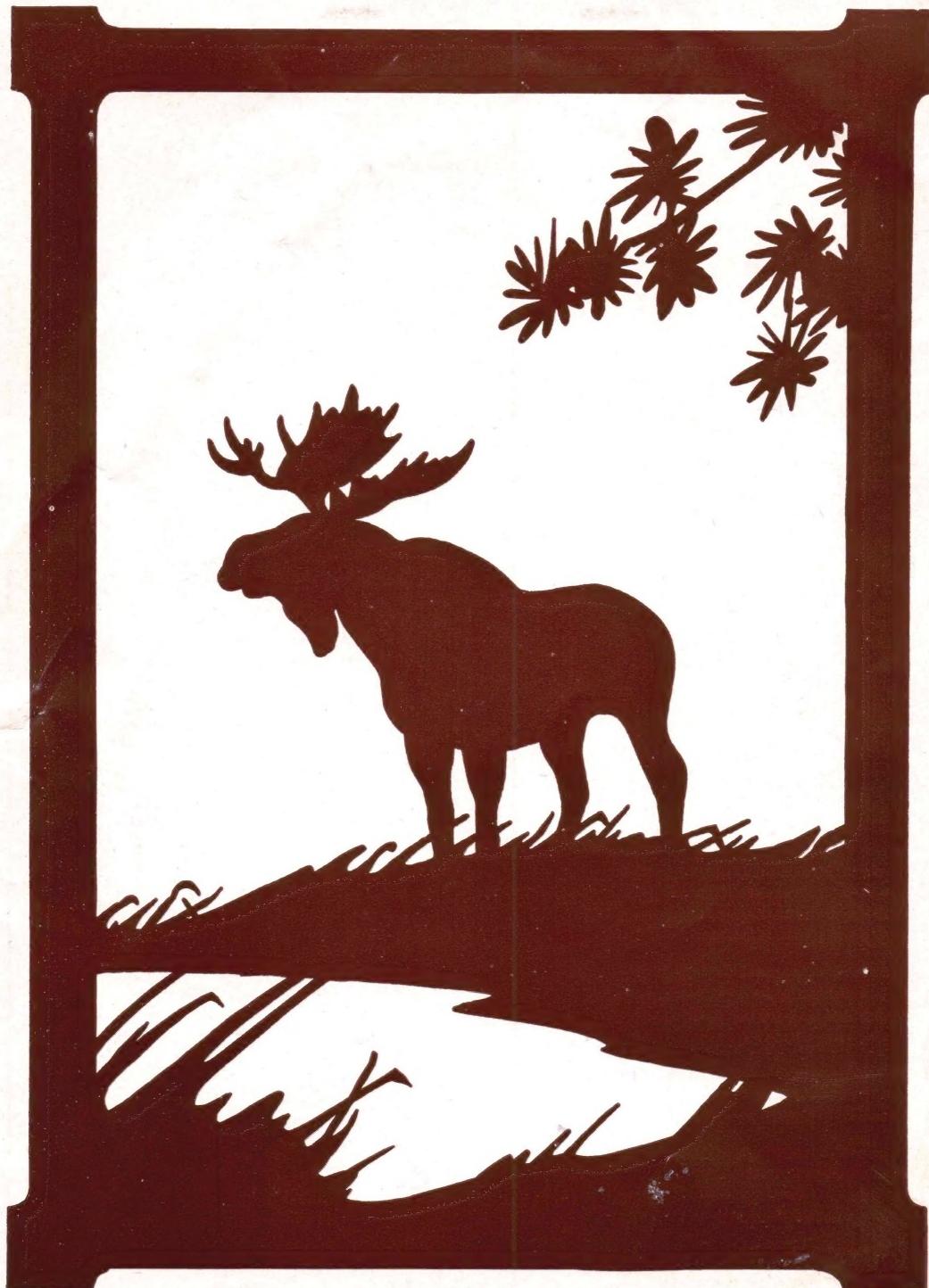
K. W. K.

The directory on page 63 of our Finishing Manual lists several concerns who can supply the ingredients to make up the above-mentioned wax.

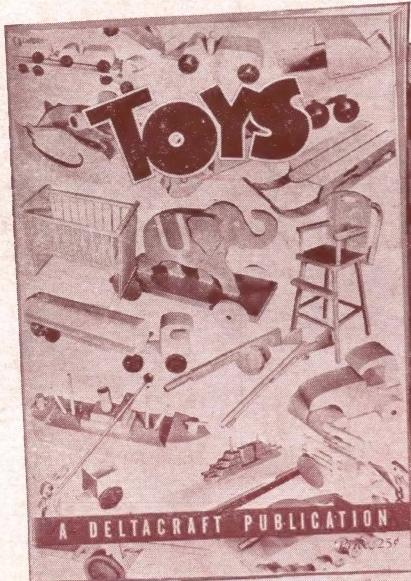
Fellow Crafters: If you have any shop ideas or suggestions which might be helpful to our readers, we will be glad to publish them. Keep sending in the photos of projects made in your shop. The Editors

DESIGNS

These are full size drawings which can be easily traced directly on the material to be cut. Paint the material with a flat coat of paint before drawing the design.



MAKE YOUR OWN TOYS



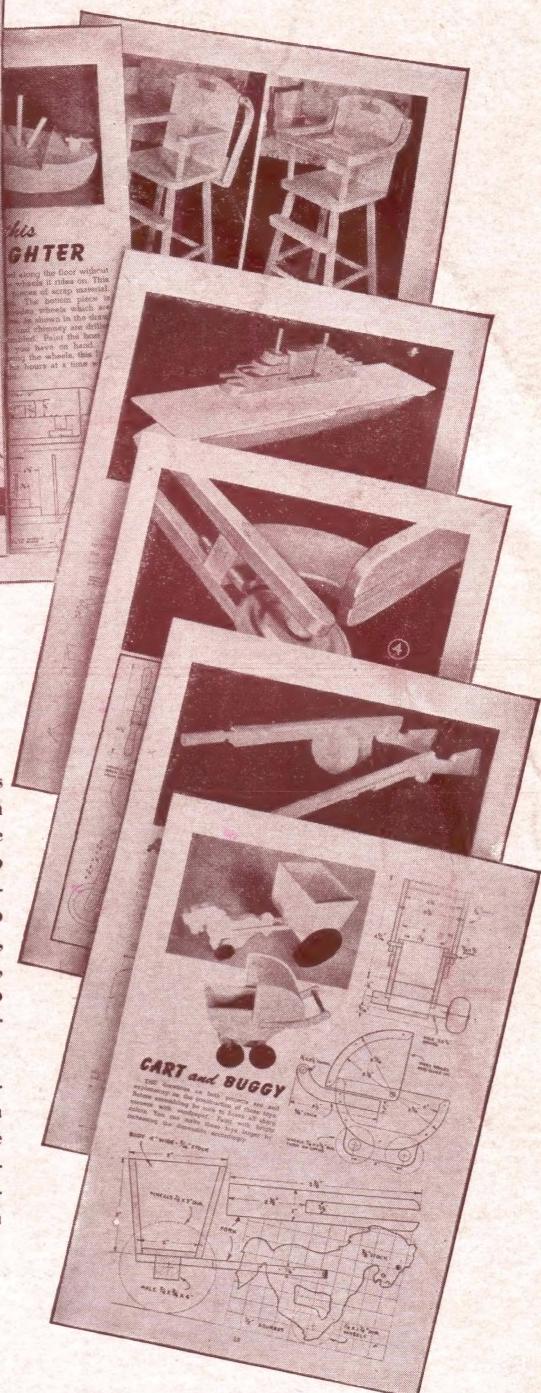
- FOR CHRISTMAS
 - FOR EASTER
 - FOR ALL THE YEAR

COMPLETE PLANS and instructions for making many of the finest wooden toys you have ever seen. There are forty (40) pages of toys for you to build. To list a few, there are: Cut-Out Soldiers, Dolls, Scooter, Dump Truck, Toy Plane, Garden Tools, Boats, Toy Car Ferry, Car and Trailer, Road Roller, Toy Elephant, How to cut Jigsaw Puzzles, and many other plans and designs.

This is another "Deltacraft" publication. The word "Deltacraft" means a guarantee that the designs are of the highest quality, complete with photographs, diagrams, plans, and instructions to give you every aid possible in building these projects.

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